

Claims

1. An antibody, or fragment thereof, capable of binding specifically to one or more human dietary enzymes, said antibody or fragment thereof comprising a heavy chain variable domain derived from an immunoglobulin naturally devoid of light chains, or a functional equivalent thereof.
2. An antibody, or fragment thereof, in accordance to claim 1, capable of binding specifically to one or more human lipases.
3. An antibody, of fragment thereof, in accordance to claim 2, capable of binding specifically to Human pancreatic lipase
4. An antibody, or fragment thereof, in accordance to claim 3, comprising 3 CDR regions, whereby CDR3 is slected from the group of the following sequences: DVRPYRTSRYLEX₃, QVRVRFSSDYTN_Y, LIRRKFTSEYNE_Y, LITRWDKSVND_Y, RRSNYDRSWGD_Y, LISSYDGSWND_Y, HITPAGSSNYVYGY or DIRKRETSGYSH_Y, and wherein X₃ is selected from the group of V or L or I.
5. An antibody, or fragment thereof, in accordance to claim 3 selected from the group having the following sequences HPL#11, HPL#12, HPL#13, HPL#14, HPL#15, HPL#18, HPL#19, HPL#22 or HPL#30.
6. An antibody, of fragment thereof, in accordance to claim 2, capable of binding specifically to Human

gastric lipase.

7. An antibody, or fragment thereof, in accordance to claim 6, comprising 3 CDR regions, whereby CDR3 is selected from the following sequences:
ARSLX₁X₂TPTSVDY, RGGLTQYSEHDY, TGAEGHY, TDMGRYGTSEW;
wherein X₁ is selected from V or E and X₂ is selected from Q or L.
8. An antibody, or fragment thereof, in accordance to claim 7 wherein the sequence is selected from the group of HGL#1, HGL#4, HGL#8, HGL#9, HGL#10, HGL#11, HGL#15 or HGL#16.
9. Food product comprising an antibody or fragment thereof in accordance to claim 1.
10. Pharmaceutical product comprising an antibody or fragment thereof in accordance to claim 1.
11. Use of an antibody or fragment thereof according to claim 1 in the preparation of a medicament or food for inhibiting the activity of one or more human dietary enzymes in the human body.
12. Use of a food product in accordance to claim 9 for the cosmetic control of body weight of human beings.